

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1315703

Luminaire Tested: LDSQA3D13R709735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

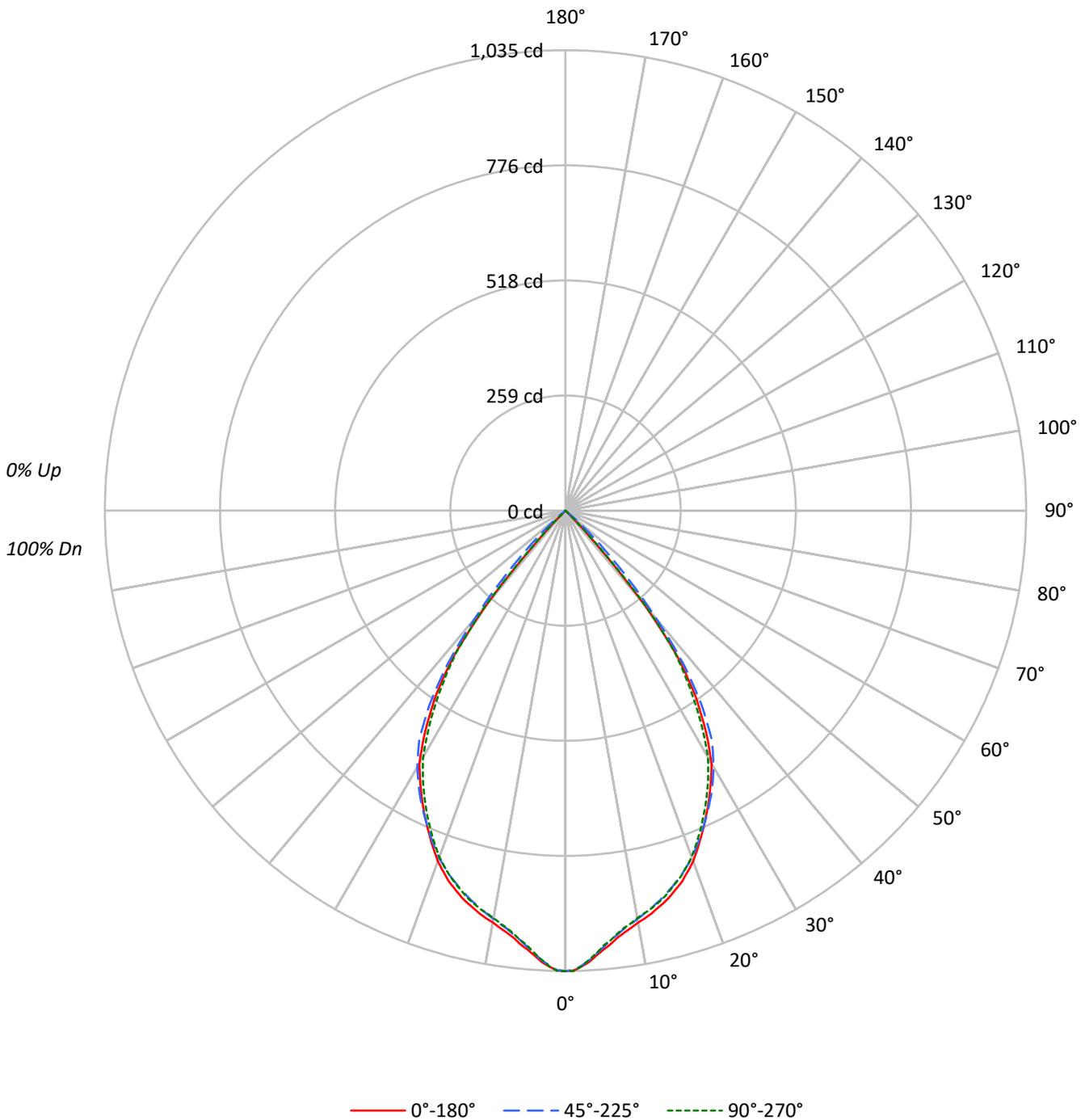
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1071.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 | 93 |
| 2 | 108 | 103 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 92 | 95 | 92 | 90 | 92 | 90 | 88 | 88 | 88 | 88 | 86 |
| 3 | 102 | 95 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 84 | 89 | 86 | 83 | 87 | 84 | 81 | 81 | 81 | 81 | 80 |
| 4 | 96 | 89 | 83 | 79 | 95 | 88 | 82 | 78 | 85 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 75 | 75 | 75 | 74 |
| 5 | 91 | 83 | 77 | 72 | 90 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 70 | 70 | 70 | 68 |
| 6 | 86 | 77 | 71 | 67 | 85 | 76 | 71 | 66 | 75 | 70 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 65 | 65 | 65 | 63 |
| 7 | 82 | 72 | 66 | 62 | 80 | 71 | 66 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 60 | 60 | 60 | 60 | 59 |
| 8 | 78 | 68 | 61 | 57 | 76 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 56 | 56 | 56 | 55 |
| 9 | 74 | 63 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 53 | 53 | 53 | 51 |
| 10 | 70 | 60 | 54 | 50 | 69 | 59 | 53 | 50 | 58 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 49 | 49 | 49 | 48 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 178285 | 178285 | 178285 |
| 5° | 171134 | 170201 | 169734 |
| 10° | 164404 | 162988 | 162673 |
| 15° | 160522 | 158257 | 158578 |
| 20° | 153713 | 152210 | 151880 |
| 25° | 142672 | 143014 | 140791 |
| 30° | 130575 | 132385 | 127334 |
| 35° | 106825 | 111976 | 102642 |
| 40° | 61488 | 71673 | 63130 |
| 45° | 877 | 29787 | 3093 |
| 50° | 0 | 3162 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 29787 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 92.4 | 8.6 |
| 10°-20° | 250.3 | 23.4 |
| 20°-30° | 343.8 | 32.1 |
| 30°-40° | 311.7 | 29.1 |
| 40°-50° | 72.4 | 6.8 |
| 50°-60° | 0.4 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 686.4 | 64.1 |
| 0°-40° | 998.2 | 93.2 |
| 0°-60° | 1071.0 | 100.0 |
| 0°-90° | 1071.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1071.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1035 | 1035 | 1035 | 1035 | 1035 | |
| 5° | 990 | 987 | 984 | 983 | 982 | 93 |
| 15° | 900 | 894 | 888 | 888 | 889 | 253 |
| 25° | 751 | 754 | 753 | 745 | 741 | 344 |
| 35° | 508 | 515 | 533 | 510 | 488 | 305 |
| 45° | 4 | 41 | 122 | 52 | 13 | 44 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1035.2 | 1035.2 | 1035.2 | 1035.2 | 1035.2 |
| 1° | 1034.3 | 1032.5 | 1033.4 | 1034.3 | 1035.2 |
| 2° | 1026.2 | 1024.3 | 1024.3 | 1025.3 | 1025.3 |
| 3° | 1016.2 | 1012.6 | 1012.6 | 1011.7 | 1011.7 |
| 4° | 1002.6 | 999.9 | 998.1 | 997.2 | 997.2 |
| 5° | 989.9 | 987.2 | 984.5 | 982.7 | 981.8 |
| 6° | 979.1 | 974.5 | 970.9 | 970.0 | 970.9 |
| 7° | 966.4 | 963.7 | 960.0 | 957.3 | 958.2 |
| 8° | 957.3 | 953.7 | 949.2 | 947.4 | 947.4 |
| 9° | 949.2 | 945.5 | 941.0 | 937.4 | 939.2 |
| 10° | 940.1 | 936.5 | 932.0 | 929.2 | 930.2 |
| 11° | 933.8 | 929.2 | 923.8 | 922.0 | 922.9 |
| 12° | 926.5 | 921.1 | 915.7 | 914.8 | 916.6 |
| 13° | 917.5 | 912.0 | 906.6 | 906.6 | 908.4 |
| 14° | 909.3 | 903.0 | 897.5 | 897.5 | 900.3 |
| 15° | 900.3 | 893.9 | 887.6 | 887.6 | 889.4 |
| 17.5° | 873.1 | 867.7 | 861.3 | 861.3 | 862.2 |
| 20° | 838.7 | 836.0 | 830.5 | 827.8 | 828.7 |
| 22.5° | 795.2 | 795.2 | 792.5 | 788.0 | 786.1 |
| 25° | 750.8 | 754.4 | 752.6 | 745.4 | 740.9 |
| 27.5° | 704.6 | 711.0 | 711.9 | 701.0 | 692.9 |
| 30° | 656.6 | 662.1 | 665.7 | 653.0 | 640.3 |
| 32.5° | 586.0 | 602.3 | 611.3 | 594.1 | 567.9 |
| 35° | 508.1 | 515.3 | 532.6 | 509.9 | 488.2 |
| 37.5° | 413.0 | 422.1 | 436.5 | 418.4 | 405.8 |
| 40° | 273.5 | 309.7 | 318.8 | 309.7 | 280.8 |
| 42.5° | 98.7 | 173.9 | 209.2 | 177.5 | 115.9 |
| 45° | 3.6 | 40.8 | 122.3 | 52.5 | 12.7 |
| 47.5° | 0.0 | 0.9 | 55.2 | 1.8 | 0.0 |
| 50° | 0.0 | 0.0 | 11.8 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)